No 9

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A Dissertation on Fevers. —

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On Fevers.

Though a trite subject, fever must ever continue to be one of secondary importance to none, that can become the object of curious speculation, or of the more useful investigation of the practical enquirer. Surely, if the majority of mankind are carried out of the world by febrile diseases, the attention of those, in whom is reposed the sacred trust of superintending and ministering to the corporeal welfare of the human family, cannot be too often invited to the contemplation of these diseases as they present themselves under similar or variegated aspects.

Facts and observations, dispersed throughout a countless profusion of volumes and pages, and drawn from sources of endless variety, constitute the basis of modern sci-

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nce and of modern practice. If the following essay have not the blaze of achievement, or the concinnity and elegance of composition, that may give it acceptance with tastes differently cultivated; it will, I hope, be found to contain, at least, some suggestions, not unworthy the attention of the accurate observer. Mine is an humbler aim than the exalted strain of those, to whom we accord the enviable distinction of being called the great benefactors of mankind.

As preliminary to what will be said of the particular kinds of fever, I shall offer some speculative views of the nature and phenomena of febrile action; followed by some observations on the sympathies and the modus operandi of medicines. This may be thought an unnecessary aberration. But, eo fest animus.

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The human body, as well as that of other animals, is a machine of very complicated structure, consisting of many powers and weights or antagonizing parts, all of which are modified and governed by the particular economy of each individual; with the operation of which, both in health and disease, we are, as yet, very imperfectly acquainted. Or it may be said to be a compound of various subsystems, in some degree, distinct and independent, yet, not so far but that, each and all of them may be affected through the medium of any one.

The muscles, for instance have an inherent power of contraction, independent of the nerves, but, by irritating the nerve supplying the part, they are thrown into action. In like manner the heart and arteries are excited by their appropriate

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stimulus, yet they may be powerfully affected through the nervous system. The capillary bloodvessels, again, have a power in themselves of circulating their contents, but do not deny the influence of the nerves and of the heart and larger arteries. Deprived of the first they are unable to perform the office of secretion. Without the last they propel their contents more feebly. The nerves and sensorium commune, though intimately connected, perform distinct functions. The latter exercising a more immediate influence over some of the involuntary actions, whilst the voluntary appear to be more dependent on the former. No part of the machine holds a paramount or more diversified influence than the stomach and intestines, and none are more readily affected by derangements of other parts.

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[illegible] the [illegible] extreme of [illegible]
[illegible]

[illegible]

[illegible]

It follows [illegible]

Divide the [illegible]
[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] to explain the phenomena
[illegible] we will [illegible]
[illegible] the [illegible]
[illegible] be able to [illegible]
[illegible] the [illegible]
[illegible] most [illegible]
[illegible]

[illegible] can be [illegible]
[illegible] that [illegible]
[illegible] in a [illegible], which
[illegible] different [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

We come now to [illegible] of the [illegible] record. [illegible] will [illegible] the [illegible] article of the [illegible] medicine, if it may be so called, has

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] that, [illegible] [illegible] [illegible]

general

general excitement with [illegible] in the first [illegible] is of excitement, and [illegible] without [illegible].

Revulsion: provided by [illegible] local and general. Some act by derivation [illegible] increasing the [illegible] the part suffering, and others again by [illegible] the force of the action of the heart and large vessels and other [illegible] of the system. Bloodletting the most [illegible] of all remedies acts in a manner somewhat different from all others. By [illegible] abstracting and controlling [illegible] the [illegible] we are enabled to adjust [illegible] to the [illegible] of their [illegible] in the system. It should be [illegible] the [illegible] and [illegible] of proportion [illegible] the [illegible] [illegible] used. If we [illegible] the weight to be [illegible]

[illegible] increase the power. The central
[illegible] in the circulation after vaccination
[illegible] will probably have an equal no
[illegible] to that [illegible] in which
[illegible] transmitted to the surface
[illegible] of a tract. It may [illegible] possible
[illegible] that [illegible] can [illegible] and
[illegible] and therefore [illegible] now from to act with
[illegible] [illegible] power.

The [illegible] of the [illegible] of the
[illegible], [illegible] [illegible] the [illegible] of a
tract in the state of inflammation than on
[illegible] [illegible] [illegible] [illegible] to
[illegible] to the [illegible] [illegible] [illegible]
[illegible] of [illegible]. In relation to this, [illegible]
[illegible] a great [illegible] [illegible] also to the [illegible]
[illegible] [illegible] [illegible] [illegible] so [illegible] [illegible] to the
[illegible] [illegible] [illegible] [illegible] [illegible] the [illegible]
which was [illegible] [illegible] [illegible] [illegible] and
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

its salutary influence to every part of the system. Hence this is also applicable in nearly all conditions of the same grade without the extent of the part is subjected to immediately under the influence of disease.

The use of this remedy is much more imperiously required in some kinds and stages of fever than others. In the generic or inflammatory fever and the typhoid it is not only in the first stage, and, also during the course and [illegible] depleting measures, purging, emetics, etc. (the due evacuations, bloodletting) particularly sometimes contributes much to the accomplishment of the cure.

In the cold stage of the typhus commonly accompanied by the brain suffocated or [illegible] congestive fever, [illegible] [illegible] the direct [illegible] is an doubtful remedy, and requires much

greater discrimination in the employment of them, have expected that in the common cases of fever, and in these cases, it may not only be resorted to with advantage, but that it is authoritatively called for, and with confidence looked to as a relief. Doubtless and experience in medicine has not been sufficient, and conclusions must be used positively to be uncertain.

Is it inconsistent with the views we have already laid down, and in consistent with, what are commonly considered, contradictory modes of treatment, that we delete opinions. Thus stimulants may be either external, as the warm bath and fractions with stimulating liquids, or internal, as wine, volatile alkalies, opium &c, or they may be combined.

experience has shown that the great prostration of strength and other nervous symptoms, if not produced, are generally accompanied by great lassitude of the vital functions of the brain & spinal marrow, or both. It is probable, however, that the muscular and nervous systems are reciprocal actions, and that upon the functions not recommended become the more prominent.

It is not my intention to say that there is no fatal condition, in which bloodletting may not be used & have recourse to, when it may be necessary to compel the a[illegible] to yield to lighter means; and this, when there was no strongly marked tendency to the typhoid type. In some forms of the disease originally, it is, indeed, absolutely imperative. Topical blood

bilious vomiting, the pain, the thirst, the warm and cold bath, and stimulating cordials may require in these cases, are much safer and promise greater security.

Emetics must demand our attention. By almost universal consent, they are regarded as indispensable in the treatment of most kinds of fever. It is not, however, as much as a matter of the stomach and duodenum that emetics are productive of such happy effects in the cure of fevers. Through the medium of the universal sympathies of the stomach, their operation is more or less felt throughout the system. The brain, the nerves, the circulatory and the glandular apparatus, are not more powerfully affected by any remedies than emetics.

the tissues or coats from which we should not be sensible influence made by cold and by increased evaporation. Of equal importance are the effects of water on the skin. In equalizing an element (then deleterious to the surface) near warm supplant the morbid generation of heat and produce perspiration, still than diminished, however, then while it must indeed be very great.

So we perceive indeed of life importance in the management of all febrile diseases. Much has of late been on this subject and, therefore, the topic is a premature. It would, however observe that not the only and, perhaps not the greatest advantage transfusion the use of cathartics, is to be ascribed to their removing acrid, irritating and offensive matters from the primae viae;

[illegible] remedies. However necessary these auxiliary remedies may be with their aid, we cannot not help, but feel effects from the strong and intimate consent between the skin, lungs and other organs.

Diaphoretics have in all ages maintained an extended rank among the remedies for fever. So great a number have been recommended, that some, then have been almost called to the aid in opposition of these diseases. Nature seems to have provided and adapted the functions of the parts [illegible] the system most powerfully [illegible] it is used [illegible] on the [illegible] the man [illegible] in which different [illegible] [illegible] effect [illegible] effect. In fact all the [illegible] [illegible] that [illegible] that

condition of the [illegible] nothing superior [illegible] to the [illegible] treatment [illegible] of heat [illegible] also a [illegible] to [illegible] [illegible].

The application of water, either hot or cold as circumstances may require, is a powerful means in the hands of [illegible] nature for promoting [illegible] and the restoration of the blood of the circulation [illegible] in the [illegible] and [illegible] stages of [illegible] than the [illegible] time. Cold affusion and the local application of cold [illegible] are not approved in the hot stage. Where there is nothing to contraindicate the employment the cold bath will frequently cut short the disease and save the life of the patient. Affusions [illegible] are sometimes employed with great advantage.

The more [illegible] of all [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible]. It directly abstracts that [illegible]
[illegible] of action in the centre [illegible]
[illegible] and by the shock given to
the [illegible] system into the second, it
restores [illegible] restoring equilibrium.

This is a [illegible] [illegible] it
[illegible] [illegible] of [illegible] of [illegible]
proved with very great benefit in [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] bath, at the same time
a shock [illegible] [illegible] [illegible]
[illegible] [illegible]. I will [illegible] into the [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible], with the most [illegible]
[illegible]. Until lately I was not a
[illegible] that the practice had [illegible] [illegible]
[illegible] adopted. In the second volume

of the Transactions of the Dublin College
I find something similar recommended
in an Irish Dispensary. The, tormina
and spasmodic colics to the head must or
cold water and vinegar.

Mercury, in different forms of
pharmaceutical preparations has been
not a little employed in bowel diseases
I speak of it now not as a cathartic, but
as a sialogogue. The manner in which
the medicine generally is injected seems
uncertain, and has never been satisfactorily
explained. It will not be expected that
I should venture here upon any
attempt to enter into the much agitated
question, whether or not mercury enters
the circulation. I shall merely observe that
although it should not be impossible that
it may be taken up in the mere act,
in many instances, it would appear to

produce its effects like most other medicines through the medium of the nervous system of the stomach. The obvious connection of this hand between the organ and the salivary glands [illegible] to their [illegible] spread [illegible] the medicine [illegible] to [illegible] extended, [illegible] I have frequently seen produce violent salivation. When or [illegible] given [illegible] the [illegible] low, [illegible] the same effect. A [illegible] or corrosive substance will speedily induce profuse salivation, [illegible] a few [illegible]. He can [illegible] [illegible] [illegible] and is so speedily neutralized or [illegible] [illegible].

The mercurial treatment [illegible] [illegible] most [illegible], yet, to say the least of it, is extremely [illegible] and [illegible]

were to resorted to, except from the most imperious necessity. My object in introducing it here, was chiefly to remark upon a practice so fashionable, I mean, some of the prescribers, of too indiscriminately resorting to the Galvanic remedy. Some traditionary use originally in the hands of exciting sensation, should be dropped, if fevers do not readily yield to the first treatment, inasmuch as this practice cannot be strongly censured. Most cases will get well without it, and, were it ultimately have no success, in the form of the pentheon and medicated, I am certain sensation may be induced in lieu to cure the patient.

This is always a two-pronged alternative and, though the assignment effects on the constitution are often trivial, yet they are not unfrequently of a most serious nature.

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It is a common observation that the more most efficacious remedies are against subsequent excitements. This however, does not appear to be, in all cases, well established, and I think I have seen the contrary effect from the too free use of the medicine.

Opium, chloride of ammonia and other stimulants should by no means be resorted to, but in those severe and conditions in which they are so indicated. These observations, with respect to the necessary management of fever, and the manner of their duration, is much attended to in our general practice. It will not therefore be necessary to reiterate what has been so often repeated.

Perhaps it will here be thought irrelevant but I would suggest an idea on the prophylactic use of tartar.

might not a large one now have, the
bearing of epidemics in connection
with other means are sensible, great
[illegible] diseases? We could, at the time of
[illegible] observed that in these cases
[illegible] where the plague was [illegible] in the
[illegible] neighbourhood, there were exceedingly
[illegible] and [illegible] [illegible]
[illegible] Dr. Jones has remarked in his Belle
[illegible] of Illustrations, Dr. Jones says that the plague
[illegible] attacks those who [illegible] are in
a state of [illegible] [illegible], but when
[illegible] the [illegible] are exchanged, they are
equally susceptible to other, and that
[illegible] are attacked under the
circumstances for [illegible] death.

It is well known fact that in the
state of Tennessee and Kentucky, Baptists
and others who have occasion to visit Kan
[illegible] in the sickly season, frequently

contract a severe rheumatism, as a fair
obly arise at the season, that influence
the climate. Even a plot established on
a certain combination seemingly with these
and facts of similar import before us,
the idea suggested above may not ap-
pear so unreasonable, and may at least
be worth the experiment. Next year, I
believe, probably I hit the coast of New Or-
leans.

We now proceed to say something of
the particular forms of fever and other
diseases, actually prevalent in a climate
to expected be that has taken place
in consequence of the state of the sea
commencing with

Indemittent Fever.

This is of frequent occurrence and very
common every Year and it is
met with under a great variety,

[illegible] in [illegible] [illegible] [illegible]

Shown often and some cases of effusion and have seen to effect the deleterious consequences which are thus set in to the head by effects of the frequently produced by I have mentioned to doubt, namely bathing in cold or dimation, swelling, not being used in the habit of thinking to prevent. I believe to be mental and cause to impede. According, by the remedy in bed in a number of cases of a child in which the neighbour, pectoral and constant depressed the one, and always with success. Not under consider me to say that in these cases, it was combined with the decoction radi. menyan. Instead of the depressed abscession being increased or aggravated, they uniformly diminished as soon as the child was asleep.

The form in which I have used this bath is Tartar emetic, commencing for an

[illegible] 8 drops three times a day, to be increased, gradually, to twelve or fourteen. It was [illegible] in much less a dose without the last dose epicac[illegible] [illegible] a friend of mine in Louisiana, contrad[illegible] taking thirty drops three times a day, [illegible] of the disease; and I am informed that some take forty. With the use of the tablet the disease is to continue a month. There no [illegible] tablets do not to minister but so striking a stroke, [illegible] it will be advised [illegible] any article to supplant the practice.

From the facts [illegible] it is admitted, [illegible] very well adapted to the [illegible] shew great repugnance to every thing that is

milky in the dose. At the very small children I have rarely found occasion to use it. The practice in severe cases of all remittents, (the bilious, included) [illegible] is to [illegible] in order to limit the patient to be put twice a day, for a quarter or half an hour, into a hot decoction of oak bark. Whether this practice has been adopted by any one else I know not. It is certainly most effectual. I have never seen it fail. I would [illegible] the [illegible] [illegible] should be combined. [illegible] [illegible] [illegible] are complicated with [illegible] [illegible] [illegible] can not always be cured, unless the [illegible] be previously [illegible] by a perfect mercurial course.

Bilious remittent Fever.

[illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. I have more

frequently met with in their intermittents. The case is generally ushered in by a chill, followed by pain in the head and of the back loins and extremities and sometimes in the more violent attacks, by great prostration of strength and the most of the whole body. There are some times suffusion of the face, turgescence of the vessels of the sclerotic, great intolerance of light or noise and moderation of sensations. The tongue is furred of a white or yellow color and moisture towards the end of the paroxysm. The pulse generally full and bounding; respiration somewhat hurried, very often pain in the right hypochondrium, obstinate bitter taste in the mouth which cannot be thrown off. The bowels costive or loose, the urine scanty and high colored.

These are the symptoms of the

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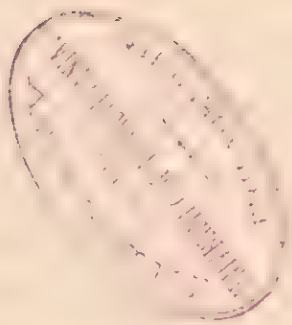
more radical cure, and the lancet or leeches against the cæcum remedium, but cases occasionally occur, with severe relaxation of these symptoms in which it is to be used with some circumspection. After venesection an emetic of tartarized antimony, to be followed by a cathartic of calomel in the loss of bowels given with T. of Rhub. The purge may sometimes be given without the emetic. It always brings away large quantities of vitiated bile with the evident relief from all the symptoms. In common cases the antimonial will, at the commencement, abort the progress of the disease and with a little attention to the state of the bowels, all danger from relapse avoided.

But in the more obstinate attacks, or



when remedies have not been timely employed, the disease assumes a regular form, with exacerbations daily or twice a day; sometimes, however, it assumes more of the intermittent tertian type. The cases are now to be managed by frequent purging to remove the morbid accumulations in the intestines; by blisters to the head, neck or chest or one of the other parts most to be upon a spot related to the affection; and by leeches. If the common blisters, leeches and gentle cathartics will not succeed, every practice.

Cold applications are not the least important of the means to be employed in these circumstances. Aspersions of alkaline salts and vinegar, strong either of cold water and twice to the chest, or on the forehead, contribute much to the comfort of the patient. But of all remedies, when

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the system of fragments, tested for its cold
affinities is the most delightful and efficacious. Moreover the bromine can be found
from the phosphorus radicals and there is
no accident heard of, from the use
used with safety and advantage. The
power lies for the administration of the
accelerator is at hand.

This is the most calm dispositive,
it [illegible] a [illegible] and the most
powerful ~~[illegible]~~ effects. It not only
[illegible] light, but the [illegible] proof
[illegible] and [illegible]
established from the first able [illegible]
[illegible] of it's [illegible] it
[illegible] and never [illegible] in [illegible]
yet [illegible] [illegible] effects. They are the
[illegible] [illegible] followed by [illegible]
[illegible] [illegible] used to [illegible] acid
acid and [illegible]. But more of all this [illegible]

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not allowed the [illegible] considerable [illegible] ment of the force of the disease the sec[illegible] evacuation is much [illegible] and by a judicious repetition of these and other measures, the symptoms are gradually subdued and health is restablished.

By means of the sympathetic between the skin and internal surfaces and viscera the stomach is invigorated, the [illegible] slated, the liver is stimulated to healthy action, the morbid associations are broken up the [illegible] of the circulation and nervous influence restablished, the increased secretion of heat ceases, and the healthy functions resume their empire. Well assured, I believe, that such has frequently employed in this form of fever. It is now, becoming quite common in that part of the country where I first employed it.

In the first case in which I adminis

[illegible] the [illegible] of [illegible] the [illegible] at [illegible] to [illegible] [illegible] [illegible] [illegible] that [illegible]. The patient was a man, who had been labouring under [illegible] for [illegible] but [illegible]. The attack commenced with the usual symptoms of the [illegible]; coposis [illegible] had been [illegible] without [illegible] to [illegible] [illegible] [illegible] [illegible] [illegible] to the disease. After [illegible] the [illegible] I directed the large [illegible] [illegible] cold water to be thrown over him when the evening exacerbation came on. The patient was so weak that I could not [illegible] [illegible] in bed without [illegible]. The man raised on a shout and the [illegible] [illegible] [illegible] immediately rose up, without assistance, got to bed, [illegible] [illegible] that no [illegible] [illegible], it being unnecessary to repeat it

application. In this case I have found [illegible] or [illegible] a crisp.

If from or the tonsils to not [illegible] to the teeth, [illegible] and [illegible], they assume more of the hybrid character; but if the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. Then [illegible] in the progress of this case, such [illegible] [illegible] of the stomach that [illegible] [illegible] can be [illegible]. The right [illegible] of [illegible] [illegible] or medicine, or [illegible] [illegible] [illegible] [illegible], excites violent efforts at vomiting, which [illegible] the patient very much and [illegible] no little difficulty to the [illegible].

The state of the stomach [illegible] [illegible] always accompanied [illegible] not produced by accumulations of vitiated,

relaxing, but is unable to the intestines. Hence the vain and ineffectual attempts at pushing or relaxing it, pains increase with the alteration. Then the we have a difficult case, the peristaltics continually increasing, the stomach is useless; emetics therefore, are the only means we can resort to for freeing the bowels of this acid, offensive accumulations. In cases of a mild nature an alkaline cathartic. They must be so powerful stimulating as to force to meet the peristaltic motion of the intestines and dislodge it towards.

In a case of this kind so great was the irritability of the stomach that, not one could enter the idea of any medicine stays induced violent retching and vomiting. In vain were several days commenced in fruitless attempts to appease the organ

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and vacuate the bowels. Seeing my patient sinking, and the urgent necessity of the case, I directed a drachm of pulv. jal. to be diffused in a pint of a common enema; of this one half was passed in and in a few minutes produced two copious evacuations of dark bilious matter of an intolerable odour. The stomach was immediately tranquillized, by proper management the patient recovered. Very frequently also it becomes necessary to support the patient by the rectum. In this way I have seen half a pint of light soup taken up every two hours, the strength continued by enema.

Bilious pain is not unfrequently combined with rheumatism. I have seen two who were taken ill, complained of pain of the head, on being attacked with

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bilious fever, have all the symptoms of inflammatory rheumatism. Venesection and active mercurial purges will generally remove the swelling and the rheumatic appearances. It is fortunate that here the same treatment is applicable to both diseases, if they may be called distinct.

Convalescence is generally rapid. Considerable attention to diet and the state of the bowels is necessary, since relapses are not unfrequent from inattention to these particulars. — In warm climates those who have once had what is called a bilious attack are often subject to recurrences of the same, or of dysenteric affections, or of cholera, from irritated secretion or redundancy of bile. To correct this habit I have found nothing so efficacious as the following prescription.

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Pulverized cerussite, flour of sulphur and cream of tartar in equal parts, of the size of a hazel nut, to be taken twice a day. If continued for a considerable time, this will rarely fail to effect a permanent cure.

Typhus Fever.

The form of fever which rarely met with at the original disease. It is frequently in states, when speaking of the remittent form, the sweating or last stage of that, or of what is commonly called typhus pneumonia. Some years since, among the population of the frontier log houses, I saw nearly the original typhus with of frequent occurrence, and it still prevails in the. Fortunately, the inhabitants of that delightful country are not yet subjected, to any considerable degree, to these con-

[illegible] and [illegible] by which [illegible]
of the [illegible] are [illegible] and [illegible]
does not know that the [illegible] life [illegible]
[illegible] [illegible] [illegible].

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

become a question whether or not in these cases there must be a salivation. Doubtless a great majority of cases in the treatment will get well without it, yet this is doubtless the most certain means of effecting a cure. Indeed it is almost infallible. It is also in those cases when there is at the same time derangement in the great viscera, of the liver more especially. I would not hesitate to employ mercury in the most efficient manner. I once gave twenty grains of calomel in a case, combined with opium to prevent purging and aided by inunction. No ill consequences followed and the patient was snatched from the most imminent danger. A considerable degree of the disease is sometimes necessary, as I have seen the disease return as the mercurial influence subsided and have been again

compelled to establish a permanent modification.

Progress is indispensable in all forms of life, but of which we are now speaking, the most perfected shape, where it is in extreme delicacy. It is to be used with great caution. Nature will seem to have sized on rapidly under adverse circumstances, and it requires after an old transition, to give an opinion to which the generation of a quite different kind of spirit the practice daily. It is not merely that determined, sometimes restrained from indulging in spontaneous discussion. Of this we cannot be too cautious; we are in sometimes entertain a strong hope that it will prove evident, but before we are aware, the patient is in intervals.

Blake and his opinions are in

usually carried throughout every stage. The price for these operations must be regulated by circumstances. Most generally, it will be found necessary to shave the scalp and investigate it by a blister. Blisters will be found in many cases of relieving delirium and return to consciousness. If cerebral congestion from the inflamed surface causes the delirium and the patient evidently becomes worse, and the apoplectic state must be anticipated I have repeated it four times in the course of an attack and always found that it relieved coma and stupor to moderate motor tremors and frequently to enable the patient to recognize and respond to a sight.

Circumstances to the house and the state of the sick at that time seemed to do much good. I am also persuaded that I have derived not a little advantage from a

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friends. The friend of humanity rubbed along the spines will be found useful in very low conditions when it has nourished the surface of the whole body with it, and with the expansive force of the circulation and animal heat. It is therefore, in conjunction with other means proved to be an useful remedy.

Digestibilities may be conjoined though I have had little confidence in the efficacy. The remedies have had so great reputation with and standing prescribers. Fainting combined with the nausea, to do will be better to relate a case. First Miss Jones the tension with the stomach, and then their debilities of heat will not contribute for the circulation and bathing the thus frame.

Such men may be applied for cold application local and general. &c

lotions of the cold water and vinegar and sponges filled with water applied to the [illegible] & other [illegible], will afford the patient relief to the most distressing symptoms, also the use of the cold affusion of the [illegible] form of fever of which we last treated. To forget to the system under the control of this remedy that it may not unhappily be found to the most sensitive differential thermometer. Substituting the use for a dose of the [illegible] of the body becomes dry and hot, the third invisible the [illegible] brown, subsultus tendinum and delirium are much increased. In coming to the call administration we are minutely we find the head of a third becoming [illegible] and comfortable, with quiet respiration, yet the [illegible] is [illegible] to diaphoretic so certain as this.

It may also be permitted to drink freely cold water. Well acidulated beverages are generally relished and may be allowed in all forms of fever.

All noise and irritation of every kind should be most sedulously avoided, especially by motion or exertion that may require exertion on the part of the patient. I once saw a patient in typhus fever, who, at the [illegible] was able to stand and to walk in few hours, relapse entirely and die from the fatigue and exertion of removing from an upper to a lower room, for the benefit of a free ventilation. Ventilation is a matter that should not be neglected as well as the strictest attention to cleanliness.

Stimulants of various kind are frequently used in the forms of fever. Of all these a [illegible] of this class that [illegible] treated [illegible]

from wine and opium. When there is considerable coma and delirium, with nervous tremors, or if the bowels have lost their tone and [illegible] supervenes, opium in small doses frequently repeated will be found an invaluable remedy. But under these circumstances of extreme debility, [illegible] is emphatically the [illegible] [illegible].

An opinion now seems to be considerably extant and is perhaps steadily gaining ground [illegible] that the plan of treating by [illegible] in all its forms and under all circumstances of the disease and [illegible] will be found more successful than the stimulating and depletory course formerly so much esteemed. This however still has advocates of the highest respectability. It is [illegible] not the least part in this inquiry.

Non nostrum inter vos tantas componere lites.

I must however say that in the Capital of the southern country it is taken as an observation so selfish as to be exceedingly objectionable and, although mild, ingenuous as it the almost child, would must be deeply regretted not, most sincerely, this we cant be to consider the latter, this we must be regarded as a sound, discriminating judgment.

The variable of assumption now may, can, has and the religious also have exposed occasionally, but from some of them I have derived such mere incent to get or from me alone, or so little be to be acceptable to the fallacy. This is the Southern and, not, I hope, we can relume the dove cuckoo and fix to a place the [illegible] relinquished that or much time I do doubtful with the wonderful power in the low country.

step of form, that I shall ever deem it entitled to the first rank among the men to be employed in these difficult circumstances.

In the administration of this office, I shall impose upon the head of department, and, as soon as he qualified, he shall propose to him the men that he considered most adequate. If any executive head in a field task be sent forward, that we shall be in the select if a step shall by the very means that were intended for its reconciliation. I need not say how necessary the right head attitude of the profession and how much is gained by a seeing at the helm the pilot to place the oppositions to them and all the principle and hypothesis, and begin to shape a course in the light of reason.

[illegible] importance is a close attention to [illegible] in these critical circumstances that the patient is scarcely safe [illegible] a short [illegible].

The quantity of [illegible] must be regulated by the effect produced. In one [illegible] totally [illegible] the patient being [illegible] & found him apparently in articulo mortis [illegible] to be felt at the wrist [illegible] fixed [illegible] swallowing. He was put [illegible] a large [illegible] been applied to the arms and legs [illegible] his mouth [illegible] scarcely [illegible] to swallow [illegible] he began to [illegible] matter [illegible] strength and [illegible] the heat and circulation was restored in the extremities, and by

the [illegible] of [illegible] of the [illegible]
[illegible] [illegible] [illegible] [

tion of primary importance, and therefore demands our diligent regard.

Convalescence is frequently tedious and a relapse of troublesome secondary [illegible] is sometimes to be encountered. Besides those commonly noticed I have observed one which though not of a serious nature, is occasionally very troublesome. After recovery from acute attack, [illegible] attacks the cuticle comes off leaving the soles of the feet so tender as to prevent the patient from walking [illegible] for months. This, I believe, is soonest relieved by going barefoot or at least without stockings. [illegible]

Bilious Pleurisy

This form of pneumonia is frequently met with and, perhaps, [illegible] differs [illegible]

[illegible] from the same [illegible] place the
[illegible] most of the pneumonic inflammation,
it does not generally admit of a [illegible]
bleeding [illegible] however, [illegible] be
[illegible] precluded. Caps and blisters are
[illegible] demanded in all the inflamma
tions of the thoracic viscera. Mercurial
purges are of the utmost utility and in
[illegible] cases should they be omitted.

But all these means will fail, the pul
[illegible] will be found sent [illegible]
[illegible] of the water
[illegible] time. In this critical circum
stance I have found nothing to answer
my expectations so well as the combined
[illegible] of gum and nitre. To all else
the Dress bid relief by conduct.

Notwithstanding the improvement of
the common mass of [illegible] pulmonary
[illegible] not a very alarming condition.

[illegible] increased [illegible],
pain in the side and difficulty of breath
in the self-[illegible], which great shortness
admonished me of the necessity of doing
something decisive. I was therefore deter-
mined to attempt a radical cure, by
[illegible] and [illegible] the [illegible]
commenced passing the patient on
[illegible] on a [illegible] opposite side,
[illegible] the external and with [illegible]
[illegible] half an [illegible].

It about twelve [illegible] gentle fe-
ver [illegible] attended on the surface of
the [illegible] and the [illegible] refinding
[illegible] gradually subsided in a short time the
brain first began to lose upon the mor-
bid [illegible], and consciousness [illegible]
by [illegible]. Encouraged by this suc-
cess I determined to [illegible] and
have since been very much delighted

[illegible] the indispensable powers in cases of pu[illegible] [illegible] the most desperate.

Pneumonia Typhoides.

As the [illegible] [illegible] of [illegible] [illegible] that [illegible] of the study for several years [illegible] I have not little [illegible] I find [illegible] [illegible] [illegible] [illegible] the subject [illegible] [illegible]. We have [illegible] [illegible] the [illegible] I have [illegible] [illegible] [illegible], [illegible] much brought [illegible] [illegible] might [illegible] [illegible]. The disease has been very [illegible] [illegible] [illegible] Prolem [illegible], by [illegible], the most contradictory [illegible] [illegible] have been equally [illegible].

Bloodletting was [illegible] [illegible] and I have known some of the most [illegible] attacks promptly relieved by [illegible] use of quinine [illegible] [illegible] or [illegible] [illegible] the copious perspiration induced by the use of large quantities of warm [illegible] [illegible]

the stomach &c., in some cases been [illegible] [illegible]

Dysenteric Fever.

As this [illegible] is [illegible] considered [illegible] [illegible] I shall but [illegible] a few [illegible] [illegible] [illegible] during the last two summers. In most cases a derangement in the functions of the liver [illegible] accompanied the [illegible] in children, many [illegible] [illegible] [illegible], were at the same time much troubled with worms which appeared to aggravate, if they did not originate, the bilious disorder. All [illegible] remedies have failed of [illegible] the least relief, I have succeeded in curing children at once by giving a brisk mercurial purge that brought away large numbers of lumbrici.

In most cases where derangement of the biliary organs and the [illegible] of the bowels,

[illegible]

Nearly two years ago [illegible] the [illegible] mortgage. [illegible] from [illegible] the [illegible] and [illegible] my expectations [illegible] the [illegible] and returns to [illegible] the [illegible] engaged [illegible] the [illegible] years [illegible] the [illegible], with increasing confidence [illegible] approach [illegible] the repeated and [illegible]

[illegible] very [illegible] the symptoms from the first use of the medicine. The sugar of lead is now, I believe, much used by some practitioners in the state of Illinois in dysentery, particularly by Doctor McIntosh of Knoxville.

Cholera Morbus

In all warm climates, this is a disease of frequent occurrence, and often of a most alarming nature. The [illegible] [illegible] [illegible] [illegible] [illegible] sudden [illegible] the stomach and bowels, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] resemblance to what in the East Indies is vulgarly called Mort de Chien. In the worse [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. All the [illegible] [illegible] [illegible] [illegible] [illegible]. Here the [illegible] [illegible] the [illegible] [illegible] [illegible] to be [illegible] [illegible] [illegible] in this [illegible] being [illegible].

the bile regains the stomach should be used freely and in the best antiphlogistic way, and it will succeed.

I was called to a patient in the night and found him in the most excruciating agony, lying on his arms and legs which were forcibly contracted under him. A vein was freely opened with the intention of bleeding at the ankle, but before any scarce effect was produced the muscles relaxed, the pain ceased, a mild sweat came on and the patient was soon restored. When the attack commences with vomiting and purging, after it has continued for some time, a large pill of opium or any other anodyne will often effect great relief. In these most terrifying symptoms the solution from vomiting attends and consequently becomes the object of greatest concern.

[illegible] occasionally met with, [illegible] Bo the [illegible] called [illegible] [illegible] [illegible]

[illegible]. Here also the Milk sick is un-known. Part of the western end of the state, as next to Kentucky, is equally broken and enjoys an atmosphere not less salubrious.

As we proceed further to the south and west the face of the country becomes quite level and the soil extremely fertile. Vegetation in some places is so rank and luxuriant, the lofty forests and impervious undergrowth entirely excluding the rays of the sun, so that a [illegible] in the most habitation [illegible] provided with [illegible] of flowers, are disengaged at [illegible] this time. [illegible] and in the country we [illegible] occasionally see the mountain. From the flatness of the surface the waters run off slowly, and in some times are quite stagnant. These causes combined, aided by the summer heat, become the prolific source of

some of the intermittent and remittent fever, sometimes [illegible] a [illegible] aggravated form.

Franklin county lies immediately at the foot of Cumberland Mountain [illegible] the county is watered by the river and its branches. To the north and north [illegible] of [illegible] bottoms, watered by Elk river and its tributaries. These [illegible] other in the state are remarkable for [illegible] [illegible] [illegible]. This very hasty sketch of the medical topography of the country I have given, as it may throw some light on this enquiry.

The [illegible] settlement commenced in the county of Franklin about twelve or fifteen years since [illegible] the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] among the inhabitants. Occasionally,

native cattle were found dead in some [illegible] cases of the malady. Attention was directed to the investigation of this matter and subsequent examination has led to the following results.

It has been found that the fever, whatever may be its nature, is confined to certain districts near the foot of the mountains [illegible] these [illegible] [illegible] a [illegible] [illegible]. Those which [illegible] and [illegible] to the south are free from it. The outbreaks of the fever is of periodical recurrence, continuing from May to October. [illegible] cases of [illegible] have the same course, but [illegible] [illegible] after these periods [illegible] [illegible] to have greater [illegible] [illegible] and [illegible] in these [illegible] [illegible].

If cattle [illegible] in their contaminated grounds [illegible] the night, and then

[illegible] [illegible] their [illegible] and they [illegible]
[illegible] [illegible] [illegible] a life from the plains.
But after the [illegible] had [illegible] [illegible] to [illegible]
[illegible] the [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] with the broad
edge of this [illegible] many of the [illegible]
were in the habit of [illegible] this
[illegible] at night and until [illegible] [illegible]
[illegible] in the morning [illegible] they [illegible]
[illegible] [illegible] to range without the [illegible]
[illegible] [illegible]. But within a few
[illegible] a fence has been [illegible] [illegible]
[illegible] miles along the [illegible] of the mountains
so as to exclude this nuisance [illegible]
[illegible] [illegible] [illegible] much more [illegible]
[illegible] [illegible] the [illegible].

The depredations of the [illegible] horses
[illegible] [illegible] not however, confined to the cattle.
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] from the cause we suppose to have been formed by the first mother [illegible] [illegible] [illegible]

[illegible] allowed [illegible] to allock [illegible] [illegible] [illegible]

[illegible]. I have frequently met with many [illegible] cases of this [illegible] [illegible] [illegible]

Malignant diphtheritic sore throat, or croup, that [illegible] in the other sex, is a [illegible] and occasionally the most fatal form of the disease, and is attended with at intervals. Convalescence is generally tedious and subject to frequent relapses, if the patient survives. The heart, especially in young children, is often affected and some of the children are [illegible] from the disease.

It is not true that great scarlet diseases have been made of the [illegible] subject. The tonsils of children in places [illegible] of children [illegible] and some of the venders are said to have the appearance of being broken or contracted by heat.

A considerable number of cases has prevailed as to the nature of the poison. Some have supposed it to be

vegetable other than mushrooms, a species of wood fungus, a black tea or and some other vegetable substances have been selected, but without evidence. The waters have been accused of this mischievous agency from mineralizing impregnations, but this is merely gratuitous conjecture. There are even some who thought it a mineral exhalation from embedded ores, unlikely enough, but as it seems. A man who knows the recent fatal mistake of the medical persons, will readily perceive the absurdity of the supposition. Some seem to have a different idea on the subject.

My own opinion is that it is a mere matter of calculation. The fact, I would be a strange notion to the public in that part of the country, but may not be the cause of the novelty. From the two

[illegible]

[illegible] of the day from 80 to [illegible] [illegible] of temperature of 90 or 30 degrees. The [illegible] effluvia from the [illegible] markets and [illegible] that the [illegible] protection of [illegible] might approaches the room [illegible] [illegible] and [illegible] [illegible] solid.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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distorts, b
s of gra
fruitful
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tracted
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have stated that, there are, I believe in the vicinity of all those contaminated districts, to the westward, ponds or marshes of greater or less extent, which are the fruitful sources of autumnal fevers.

As this dissertation has been protracted much beyond what I had anticipated, I feel that I ought, perhaps, to offer some apology, for thus transcending the limits prescribed by common usage. I must request that it be ascribed to the boundless nature of the theme, and not to any fondness for idle vagaries. To have said less on the different heads would have been mere mockery, but even this, it is feared, will be extremely irksome.